

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000275

|  |   |   |
|--|---|---|
| <b>A. CLASSIFICATION OF SUBJECT MATTER</b>   |   |   |
| Int. Cl. <sup>7</sup> : C07C 233/67, 301/00, 317/36; C07D 203/14; C07F 9/09; A61K 31/166, 31/396, 31/661; A61P 35/00.  |   |   |
| According to International Patent Classification (IPC) or to both national classification and IPC  |   |   |
| <b>B. FIELDS SEARCHED</b>  |   |   |
| Minimum documentation searched (classification system followed by classification symbols)<br>See electronic database consulted below.  |   |   |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |   |   |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>STN File CA: Substructure search   |   |   |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |   |   |
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.   |
| P, X   | STN File CA, abstract number 141:106328<br>& N. A. Helsby et al., Journal of Medicinal Chemistry (2004), 47(12), 3295-3307.<br>See abstract and CAS Registry Numbers 35425-49-1 and 260563-76-6.                                | 4, 15-21,<br>24-33  |
| P, X   | WO 2004/033415 A1 (AUCKLAND UNISERVICIES LIMITED) 22 April 2004<br>See the whole document, in particular page 3, lines 1-22; pages 12-14, schemes 1-3;<br>table 1, compounds IIa5-IIa7, IIb3-IIb6 and IIc3-IIc8 and the claims. | 4-7, 9, 10,<br>14-21, 24-33   |
| X  | WO 2000/013683 A2 (CANCER RESEARCH CAMPAIGN TECHNOLOGY LIMITED) 16 March 2000<br>See the whole document, in particular page 4; pages 22-23, examples 2, 10 and 17 and the claims.   | 4-7, 9, 10,<br>14-21, 24-33   |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex  |   |   |
| * Special categories of cited documents:<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"B" earlier application or patent but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed<br>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>"&" document member of the same patent family |   |   |
| Date of the actual completion of the international search<br>5 January 2005  |   | Date of mailing of the international search report:<br>12 JAN 2005        |
| Name and mailing address of the ISA/AU<br>AUSTRALIAN PATENT OFFICE<br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustralia.gov.au<br>Facsimile No. (02) 6285 3929  |   | Authorized officer<br><br>MARIE-ANNE FAM<br>Telephone No : (02) 6283 2254 |

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |   |                             |
|---|---|-----------------------------|
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.       |
| X   | WO 1993/011099 A1 (CANCER RESEARCH CAMPAIGN TECHNOLOGY LIMITED) 10 June 1993<br>See the whole document, in particular page 1, line 14 to page 2, line 3 and page 11, examples 16 and 17.  | 4-7, 9, 10,<br>14-21, 24-33 |
| X   | STN File CA, abstract number 137:134431<br>& W. R. Wilson et al., Cancer Research (2002), 62(5), 1425-1432.<br>See abstract and CAS Registry Numbers 35425-49-1, 150271-99-1, 150272-00-7, 188719-22-4, 444729-12-8, 444729-13-9 and 444729-14-0. | 4-7, 9, 10,<br>14-21, 24-33 |
| X   | STN File CA, abstract number 126:246358<br>& F. Friedlos et al., Journal of Medicinal Chemistry (1997), 40(8), 1270-1275.<br>See abstract and CAS Registry Numbers 188719-22-4, 188719-28-0, 150272-00-7 and 169527-44-0.                         | 4, 15-21,<br>24-33          |
| X   | STN File CA, abstract number 125:753<br>& B. D. Palmer et al., Journal of Medicinal Chemistry (1996), 39(13), 2518-2528.<br>See abstract and CAS Registry Numbers 169527-44-0, 177035-39-1, 177035-48-2 and 150272-00-7.                          | 4, 15-21,<br>24-33          |
| X   | STN File CA, abstract number 123:275328<br>& G. M. Anlezark et al., Biochemical Pharmacology (1995), 50(5), 609-618.<br>See abstract and CAS Registry Numbers 150271-99-1, 150272-00-7 and 169527-44-0.   | 4-7, 9, 10,<br>14-21, 24-33 |
| X   | STN File CA, abstract number 76:54221<br>& A. H. Khan and W. C. J. Ross, Chemico-Biological Interactions (1971), 4(1), 11-22.<br>See abstract and CAS Registry Numbers 35425-41-3 and 35425-49-1.   | 4, 15-21,<br>24-33          |

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**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: **1-33 (in part)**  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
A complete search of the claims was not feasible for economic reasons. Consequently the search was based on nitrophenyl derivatives as exemplified in the specification.
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report   |             |             | Patent Family Member |            |  |  |
|---|-------------|-------------|----------------------|------------|--|--|
| WO  | 2004/033415 | NONE        |                      |            |  |  |
| WO  | 2000/013683 | AU 57511/99 | CA 2342943           | EP 1109550 |  |  |
|   |             | NZ 510173   |                      |            |  |  |
| WO  | 1993/011099 | AU 29526/92 | CA 2124315           | EP 616609  |  |  |
|   |             | NZ 240785   | US 5571845           | US 5750782 |  |  |
| Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. |             |             |                      |            |  |  |
| END OF ANNEX  |             |             |                      |            |  |  |